



# CDF Operations

Steve Hahn

December 6, 2004

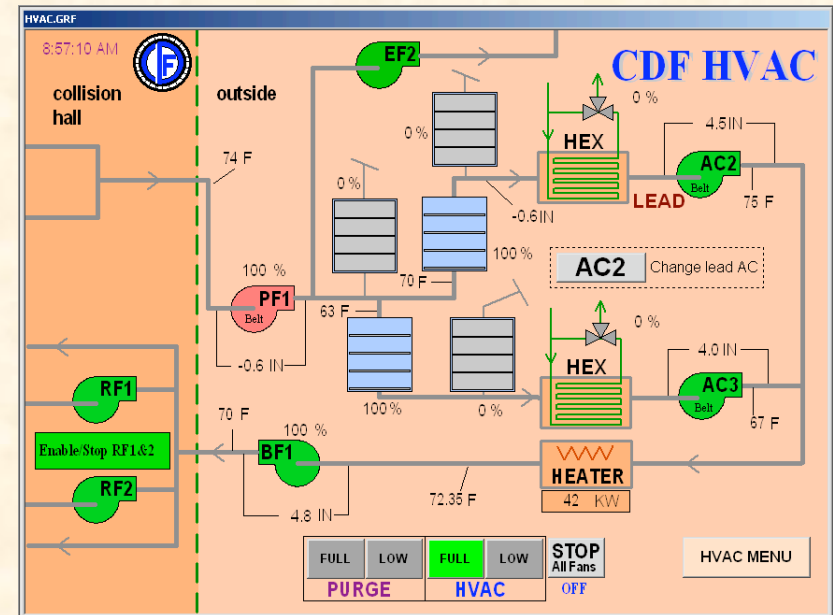
All Experimenters' Meeting



# CDF Operations

☛ Monday, November 29:

- Fire alarm during evening shift
  - ➔ VESDA system detects smoke in both detector sensors in collision hall and west sensor in assembly pit, but not east sensor
  - ➔ No smoke seen in collision hall, no smell anywhere, eventually declared false alarm, tour entire building without result
  - ➔ Several similar mysterious smoke alarms over shutdown
- VESDA pre-alarm during owl shift
  - ➔ Alert process system tech Dean Beckner finds smoke coming from PF1 fan in outside cooling plant
  - ➔ Apparently, PF1 bearings going bad resulted in intermittent smoke from bearings and fan belts
  - ➔ PF1 fan now shutdown and shaft being repaired; adequate cooling and ventilation with remaining HVAC system





# CDF Operations

## ☛ Saturday, December 4:

- Moved out north muon wall and NE muon arch to repair top NE COT crate power supply
- Busted power stud while torquing last power cable; had to bring in second supply; now OK

## ☛ Monday, December 6:

- Delayed using CDF clock synced to TeV RF till as late as possible to allow SVX/ISL/L00 to do tests without worrying about stable TeV operation
- Restored CDF clock this morning
  - ➔ 429 module output not enabled
  - ➔ ACnet DB problem with fiber sync delay



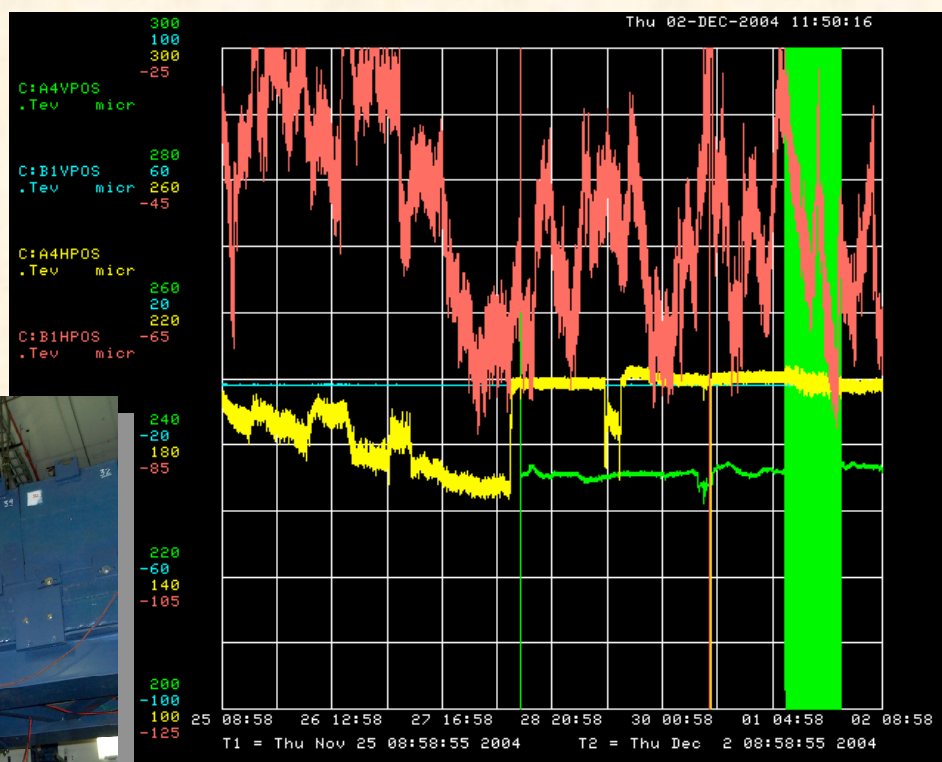
# CDF Operations

- ☛ Many initial trigger tests scheduled
  - Need to test parallel logger CSL with matching trigger tables and consumer code
  - Eventually need to test new DSP code in TDCs for faster front-end readout
- ☛ Access requests (but would prefer AD progress):
  - Short (both behind north muon wall; failed hard after last access)–2 hours?
    - ➔ Bad COT TDC: b0cot02, slot 15 (upper NW COT crate)
    - ➔ Bad CPR/CCR/CES SMXR: b0ccal11, slot 5 (upper NE central arch crate)
  - Long  $\geq 6$  hours
    - ➔ SVX tests with detector warm then cold
    - ➔ Plug sourcing with and without solenoid on
    - ➔ Endwall sourcing with and without solenoid on





# CDF Operations



Low beta quad cradle movement @ A4 (p side **horz** and **vert**) and B1 (pbar side **horz** and **vert**); Invar bars have not been disconnected on pbar side—will need longer access to do this; also, want to see before vs. after on beam movement

Vertical scale - 10 or 20  $\mu$ /div  
Horizontal scale - one week from Nov. 25 to Dec. 2